

## Sigma



### **Universal, High Speed Film Scanner for Film Sizes up to 4x5" Designed for the needs of Portrait&Social, Wedding- and Commercial Labs.**

Sigma is a professional, high speed film scanner to produce high quality scans from color and black&white negative as well as transparencies, offering a solution to the universal problem of getting high quality scans at portrait&social, wedding and commercial labs. Designed for high volume scanning, this completely new film scanner features a powerful Dual-Pentium III workstation, a 3-color 10.000 pixel line sensor as data acquisition device and a universal auto-feed film carrier.

#### **All film sizes from APS to 4x5 inch**

Sigma handles uncut film rolls from APS, 135 and 120 as well as single cut frames, frame mounted slides, film strips as well as sheet film sizes 9x12 cm and 4x5 inch.

#### **Roll film- and Auto-tension carrier for a fully automated workflow**

Thanks to the auto-feed carrier system, Durst Sigma allows to scan entire film rolls fully automatically. Automatic frame gap detection for precise frame positioning, auto-DX-code detection for 135 films and a motorized tension mask system allow a fully automated production of high quality scans from uncut film rolls APS, 135 and 120.

#### **Automatic dust and scratch retouching**

A built-in air-blast system and a special "Auto-Dust-Removal" software make sure that scanned images are free of dust and scratches to prevent time consuming retouch work.

#### **Fast and easy operation**

Durst Sigma features a highly sophisticated software including several scan function (e.g., scan to print, scan to file, preview -> scan) with automatic correction of color, density, contrast and saturation, automatic adaptive sharpening correction, a stepless cropping function etc. A high quality, 21 inch - WYSIWYG true color monitor allows preview images of an entire roll to

be enlarged one-by-one for a better evaluation, for a precise crop selection or for any other requested adjustment of the images to be scanned.

### **Open architecture and file size flexibility**

Durst Sigma produces file sizes ranging from low resolution files of 3 MB up to high resolution files of 375 MB. It can convert scanned image data into various file formats (e.g. TIFF, JPEG, BMP, PPM) and can therefore be combined with many digital output devices.

### **Durst ASCII file support for a fully automated "scan-to-print" operation**

Durst Sigma supports the Durst ASCII file for a fully automated "scan-to-print" operation with the Durst Theta 50 laser lab and the entire range of Durst Lambda laser imagers.

### **Technical data**

#### **Film sizes:**

APS, 135, 120, 9x12 cm - 4x5 in.

#### **Film handling:**

Manual for 4x5 in. sheet film  
Motorized film feed for APS, 135 and 120/220  
single frame, film strips and uncut film rolls.

#### **Film types:**

Color negative, slides, black&white

#### **Film carrier system:**

Motorized film transport combined with format matched, exchangeable tension masks  
automatic film gap detection  
DX-code reader for 135 films

#### **File formats:**

TIFF, JPEG, BMP, PPM

#### **Max. file size:**

Film size	35 mm	6x7 cm	4x5 in.

#### **Scan**

##### **modes:**

Scan-to-print,  
Scan-to-file,  
Prescan->Scan

#### **Software**

##### **functions:**

Automatic correction of color, density, contrast and saturation  
Stepless image cropping  
Color management to work with ICC profiles  
Red eye removal (TBR)  
Durst ASCII file support for fully

Max. file size:	40 MB	150 MB	375 MB
Max. resolution:	3.800 dpi	3.000 dpi	2.500 dpi

**Scan times:**

Film size:	35 mm	6x7 cm	4x5 in.
15 MB	3,5 sek.	5 sek.	10 sek.
30 MB	7 sek.	7 sek.	10 sek.
60 MB	---	10 sek.	11 sek.
150 MB	---	15 sek.	17 sek.
375 MB	---	---	30 sek.

**Dust removal:**

Built-in automatic air blast  
Auto-dust-removal software (TBR)

automated  
"scan-to-  
print"  
operation  
with Durst  
Theta 50  
laser lab and  
Durst  
Lambda laser  
imagers  
(TBR)

**Workstation:**

Dual Pentium  
III 800 MHz,  
512 MB  
RAM, 20 GB  
harddisk

**Operating  
system:**

Windows  
2000

**Monitor:**

21 inch -  
WYSIWYG  
true color  
monitor

**Sensor:**

Line sensor  
10.000 pixel  
RGB

**Interface:**

Fast Ethernet

All Rights Reserved - Patents pending for hard- and software - Description, illustration and specifications are subject to change without notice. (TBR = to be released)



[Request Brochure  
and visit or demo](#)

[Sigma](#) | [Theta 50](#) | [Epsilon 30](#) | [Autocutter 32](#) | [Visolab 45 VDS](#) | [Visolab PMD 810](#)  
[Filmetta](#) | [AC 800](#) | [Laborator 1200](#) | [Pictochrom Plus](#)